

List of elements by atomic properties

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Z	Name	Standard atomic weight	Electronegativity (Pauling)	First Ionization Energy (eV)	Atomic radii(pm)
1	Hydrogen	1.00794(7)2 3 4	2.2	13.59844	35
2	Helium	4.002602(2)2 4	no data	24.58741	31
3	Lithium	6.941(2)2 3 4 5	0.98	5.39172	145
4	Beryllium	9.012182(3)	1.57	9.3227	105
5	Boron	10.811(7)2 3 4	2.04	8.29803	85
6	Carbon	12.0107(8)2 4	2.55	11.2603	70
7	Nitrogen	14.0067(2)2 4	3.04	14.53414	65
8	Oxygen	15.9994(3)2 4	3.44	13.61806	60
9	Fluorine	18.9984032(5)	3.98	17.42282	50
10	Neon	20.1797(6)2 3	no data	21.5646	38
11	Sodium	22.98976928(2)	0.93	5.13908	180
12	Magnesium	24.3050(6)	1.31	7.64624	150
13	Aluminium	26.9815386(8)	1.61	5.98577	125
14	Silicon	28.0855(3)4	1.9	8.15169	110
15	Phosphorus	30.973762(2)	2.19	10.48669	100
16	Sulfur	32.065(5)2 4	2.58	10.36001	100
17	Chlorine	35.453(2)2 3 4	3.16	12.96764	100
18	Argon	39.948(1)2 4	no data	15.75962	71
19	Potassium	39.0983(1)	0.82	4.34066	220
20	Calcium	40.078(4)2	1	6.11316	180
21	Scandium	44.955912(6)	1.36	6.5615	160
22	Titanium	47.867(1)	1.54	6.8281	140
23	Vanadium	50.9415(1)	1.63	6.7462	135
24	Chromium	51.9961(6)	1.66	6.7665	140
25	Manganese	54.938045(5)	1.55	7.43402	140
26	Iron	55.845(2)	1.83	7.9024	140
28	Nickel	58.6934(4)	1.88	7.881	135
27	Cobalt	58.933195(5)	1.91	7.6398	135
29	Copper	63.546(3)4	1.9	7.72638	135
30	Zinc	65.38(2)	1.65	9.3942	135

31	Gallium	69.723(1)	1.81	5.9993	130
32	Germanium	72.64(1)	2.01	7.8994	125
33	Arsenic	74.92160(2)	2.18	9.7886	115
34	Selenium	78.96(3)4	2.55	9.75238	115
35	Bromine	79.904(1)	2.96	11.81381	115
36	Krypton	83.798(2)2 3	3	13.99961	88
37	Rubidium	85.4678(3)2	0.82	4.17713	235
38	Strontium	87.62(1)2 4	0.95	5.6949	200
39	Yttrium	88.90585(2)	1.22	6.2171	180
40	Zirconium	91.224(2)2	1.33	6.6339	155
41	Niobium	92.90638(2)	1.6	6.75885	145
42	Molybdenum	95.96(2)2	2.16	7.09243	145
43	Technetium	[98]1	1.9	7.28	135
44	Ruthenium	101.07(2)2	2.2	7.3605	130
45	Rhodium	102.90550(2)	2.28	7.4589	135
46	Palladium	106.42(1)2	2.2	8.3369	140
47	Silver	107.8682(2)2	1.93	7.5762	160
48	Cadmium	112.411(8)2	1.69	8.9938	155
49	Indium	114.818(3)	1.78	5.78636	155
50	Tin	118.710(7)2	1.96	7.3439	145
51	Antimony	121.760(1)2	2.05	8.6084	145
52	Tellurium	127.60(3)2	2.1	9.0096	140
53	Iodine	126.90447(3)	2.66	10.45126	140
54	Xenon	131.293(6)2 3	2.6	12.1298	108
55	Caesium	132.9054519(2)	0.79	3.8939	260
56	Barium	137.327(7)	0.89	5.2117	215
57	Lanthanum	138.90547(7)2	1.1	5.5769	195
58	Cerium	140.116(1)2	1.12	5.5387	185
59	Praseodymium	140.90765(2)	1.13	5.473	185
60	Neodymium	144.242(3)2	1.14	5.525	185
61	Promethium	[145]1	no data	5.582	185
62	Samarium	150.36(2)2	1.17	5.6436	185
63	Europium	151.964(1)2	no data	5.6704	185
64	Gadolinium	157.25(3)2	1.2	6.1501	180
65	Terbium	158.92535(2)	no data	5.8638	175
66	Dysprosium	162.500(1)2	1.22	5.9389	175

67	Holmium	164.93032(2)	1.23	6.0215	175
68	Erbium	167.259(3)2	1.24	6.1077	175
69	Thulium	168.93421(2)	1.25	6.18431	175
70	Ytterbium	173.054(5)2	no data	6.25416	175
71	Lutetium	174.9668(1)2	1.27	5.4259	175
72	Hafnium	178.49(2)	1.3	6.82507	155
73	Tantalum	180.94788(2)	1.5	7.5496	145
74	Tungsten	183.84(1)	2.36	7.864	135
75	Rhenium	186.207(1)	1.9	7.8335	135
76	Osmium	190.23(3)2	2.2	8.4382	130
77	Iridium	192.217(3)	2.2	8.967	135
78	Platinum	195.084(9)	2.28	8.9587	135
79	Gold	196.966569(4)	2.54	9.2255	135
80	Mercury	200.59(2)	2	10.4375	150
81	Thallium	204.3833(2)	1.62	6.1082	190
82	Lead	207.2(1)2 4	2.33	7.41666	180
83	Bismuth	208.98040(1)	2.02	7.2856	160
84	Polonium	[210]1	2	8.417	190
85	Astatine	[210]1	2.2		no data
86	Radon	[220]1	no data	10.7485	120
87	Francium	[223]1	0.7	4.0727	no data
88	Radium	[226]1	0.9	5.2784	215
89	Actinium	[227]1	1.1	5.17	195
90	Thorium	232.03806(2)1 2	1.3	6.3067	180
91	Protactinium	231.03588(2)1	1.5	5.89	180
92	Uranium	238.02891(3)1 2 3	1.38	6.19405	175
93	Neptunium	[237]1	1.36	6.2657	175
94	Plutonium	[244]1	1.28	6.0262	175
95	Americium	[243]1	1.3	5.9738	175
96	Curium	[247]1	1.3	5.9915	
97	Berkelium	[247]1	1.3	6.1979	
98	Californium	[251]1	1.3	6.2817	
99	Einsteinium	[252]1	1.3	6.42	
100	Fermium	[257]1	1.3	6.5	
101	Mendelevium	[258]1	1.3	6.58	
102	Nobelium	[259]1	1.3	6.65	

103	Lawrencium	[262]1		4.9	
104	Rutherfordium	[261]1		6	
105	Dubnium	[262]1			
106	Seaborgium	[266]1			
107	Bohrium	[264]1			
108	Hassium	[277]1			
109	Meitnerium	[268]1			
110	Darmstadtium	[271]1			
111	Roentgenium	[272]1			
112	Copernicium	[285]1			
113	Ununtrium				